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10/653,235

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Kang Soo Seo

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EXAMINER

CHOI, MICHAEL P

ART UNIT

PAPER NUMBER

2621

MAIL DATE

DELIVERY MODE

12/12/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/653,235

Applicant(s)

SEO ET AL.

Examiner

Michael P. Choi

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) 2-5, 10 and 11 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1, 6-9 and 12-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

#### DETAILED ACTION

1. Claims 1, 6-9 and 12-18 have been currently amended.
2. Claims 2-5, 10 and 11 are cancelled.
3. Applicant's arguments filed 9/18/07 have been fully considered but they are not persuasive.

As per applicant's remarks on Page 13, applicant argues that VOB<sub>U</sub> (#*n*) and VOB<sub>U</sub> (#*n*+1) are not different and that Maruyama fails to disclose "the one of a playitem field and a sub-playitem field providing the first navigation information is different from the one of a playitem field and a sub-playitem field providing the second navigation information."

In response, Maruyama teaches in at least Fig. 13 that VOB<sub>U</sub>(#*n*) is different VOB<sub>U</sub> (#*n*+1), each containing respective navigation pack NV\_PCK, which are different because VOB<sub>U</sub>(#*n*) consists of various elements and fields such as separate video packs that contain distinct still images and audio packs. Maruyama discloses in Fig. 13 that VOB<sub>U</sub>'s 85 are distinct from navigation packs 86, PCI 113, etc.

As per applicant's remarks on Pages 13 and 14, applicant argues that Maruyama fails to disclose a field providing navigation information regarding a still image in a first file is a separate field from a field providing navigation information regarding audio data in a second file, and/or first navigation information for a first file including at least one still image and separate second navigation information for a second file including audio data.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., a field providing navigation information regarding a still image in a first file is a separate field from a field providing navigation information regarding audio data in a second file) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Also, Maruyama does teach a separation as further clarified in Fig. 13 within the navigation information of VOB<sub>U</sub>(#*n*) and

VOBU(#n+1) wherein in order for video to be reproduced, it must playback still images since it is known that video consists of a multitude of still images played back at certain speeds.

As per applicant's remarks on Pages 13 and 14, applicant argues that Maruyama fails to disclose the limitations of amended claim 1.

In response, Maruyama "first navigation information providing presentation information regarding the still image in the first file, and second navigation information providing presentation information regarding audio data in the second file (Fig. 13 – VOBUs (#n) containing a first file and VOBUs (#n+1) containing a second file in the PACKS section; Col. 15, lines 31+, further clarifying that in order for video to be reproduced, it must playback still images since it is known that video consists of a multitude of still images played back at certain speeds)... one of a playitem field and a sub-playitem field provides the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12)... one of a playitem field and a sub-playitem field provides the second navigation information (Fig. 13 – VOBUs (#n+1) provides NV\_PCK#n+1)... the one of a playitem field and a sub-playitem field providing the first navigation information is different from the one of a playitem field and a sub-playitem field providing the second navigation information (Fig. 13 – VOBUs (#n) as opposed to VOBUs (#n+1) each containing respective navigation pack NV\_PCK wherein VOBUs (#n) is different VOBUs (#n+1), each containing respective navigation pack NV\_PCK, which are different because VOBUs (#n) consists of various elements and fields such as separate video packs that contain distinct still images and audio packs. Maruyama discloses in Fig. 13 that VOBUs 85 are distinct from navigation packs 86, PCI 113, etc.).

#### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent

granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Maruyama et al. (US 6,385,289 B1).

**Regarding Claim 1**, Maruyama et al. teaches a computer readable medium having a data structure for managing reproduction of at least still images recorded on the computer readable medium, comprising:

- a data area storing at least one still image in a first file and audio data in a second file (see Fig. 3); and
- a playlist area storing at least one playlist, the playlist linking the first and second files (in at least Figs. 3, 8, 25 wherein the control information stores a program chain (PGC) linking first and second files of Video Object Units (VOBUs) – Fig. 27), wherein
- the playlist including navigation information providing presentation information regarding the first and second files (Fig. 13; Col. 15, lines 31+),
- the playlist includes first navigation information providing presentation information regarding the still image in the first file, and second navigation information providing presentation information regarding audio data in the second file (Fig. 13 – VOBUs (#n) containing a first file and VOBUs (#n+1) containing a second file in the PACKS section; Col. 15, lines 31+, further clarifying that in order for video to be reproduced, it must playback still images since it is known that video consists of a multitude of still images played back at certain speeds),
- one of a playitem field and a sub-playitem field provides the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12),
- the one of the playitem field and the sub-playitem field (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) providing the first navigation information (Fig. 13 –

VOBU (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) includes an indicator indicating that the one of the playitem field and the sub-playitem field provides information for still image presentation (Fig. 13 wherein each Navigation Pack has presentation control information; Col. 15, lines 1+),

- one of a playitem field and a sub-playitem field provides the second navigation information (Fig. 13 – VOBUs (#n+1) provides NV\_PCK#n+1),
- the one of a playitem field and a sub-playitem field providing the first navigation information is different from the one of a playitem field and a sub-playitem field providing the second navigation information (Fig. 13 – VOBUs (#n) as opposed to VOBUs (#n+1) each containing respective navigation pack NV\_PCK, wherein VOBUs (#n) is different VOBUs (#n+1), each containing respective navigation pack NV\_PCK, which are different because VOBUs (#n) consists of various elements and fields such as separate video packs that contain distinct still images and audio packs. Maruyama discloses in Fig. 13 that VOBUs 85 are distinct from navigation packs 86, PCI 113, etc.).

**Regarding Claim 6,** Maruyama et al. teaches the computer readable medium of claim 4, wherein the one of the playitem field and the sub-playitem field providing the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) includes an indicator indicating a duration for displaying the still image (Col. 16, lines 56+).

**Regarding Claim 7,** Maruyama et al. teaches the computer readable medium of claim 4, wherein the one of the playitem field and the sub-playitem field providing the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) includes an indicator indicating whether to display the still image for an infinite duration (Col. 16, lines 56+ - the conventional displaying of duration indicates whether to display for an "infinite duration").

**Regarding Claim 8,** Maruyama et al. teaches the computer readable medium of claim 7, wherein the indicator indicates to display the still image for an infinite duration (Col. 16, lines 56+ - the conventional displaying of duration indicates whether to display for an "infinite duration").

**Regarding Claim 9,** Maruyama et al. teaches the computer readable medium of claim 4, wherein the one of the playitem field and the sub-playitem field providing the first navigation information (Fig. 13 – VOB#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) includes identifiers identifying a clip of data including the still image (Fig. 12 – each pack includes header identifying clip of data in Video Pack Header).

**Regarding Claim 12,** Maruyama et al. teaches the computer readable medium of claim 11, wherein the playlist further includes mark information, and the mark information includes a mark pointing to the still picture (Fig. 33 – the PGC contains management information having a search pointer of a PGC correlating to a cell (Fig. 27) containing a VOB).

**Regarding Claim 13,** Maruyama et al. teaches the computer readable medium of claim 3, wherein the playlist further includes mark information, the mark information includes a mark pointing to the still picture (Fig. 33 – the PGC contains management information having a search pointer of a PGC correlating to a cell (Fig. 27) containing a VOB).

**Regarding Claim 14,** Maruyama et al. teaches a computer readable medium having a data structure for managing reproduction of at least still images recorded on the computer readable medium, comprising (in at least Figs. 1, 2A, 2B, 25):

- a data area storing at least one still image and audio data in separate files (see Fig. 3 in the audio & video data area);
- a playlist area including a playlist (in at least Figs. 3, 8, 25 wherein the control information stores a program chain (PGC) linking first and second files of Video Object Units (VOBs) – Fig. 27),

the playlist including a first one of a playitem and a sub-playitem that provides navigation information regarding the still image (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12), the playlist including a second one of a playitem and a sub-playitem that provides navigation information regarding the audio data (Fig. 13 – VOBUs (#n) as opposed to VOBUs (#n+1) each containing respective navigation pack NV\_PCK), wherein

- the first one of a playitem and a sub-playitem is different from the second one of a playitem and a sub-playitem (Fig. 13 – VOBUs (#n) as opposed to VOBUs (#n+1) each containing respective navigation pack NV\_PCK, wherein VOBUs (#n) is different VOBUs (#n+1), each containing respective navigation pack NV\_PCK, which are different because VOBUs (#n) consists of various elements and fields such as separate video packs that contain distinct still images and audio packs. Maruyama discloses in Fig. 13 that VOBUs 85 are distinct from navigation packs 86, PCI 113, etc.).

**Regarding Claim 15**, Maruyama et al. teaches a method of reproducing a data structure for managing reproduction of at least still images recorded on a recording medium, comprising:

- reproducing at least one playlist from the recording medium (in at least Col. 2, Line 30 – Col. 3 Lines 15 – playback of program chains – Fig. 34), the playlist linking first and second files, the first file including at least one still image and the second file including audio data (in at least Figs. 3, 8, 25 wherein the control information stores a program chain (PGC) linking first and second files of Video Object Units (VOBUs) each having separate image and audio data – Fig. 27), wherein
- the playlist including navigation information providing presentation information regarding the first and second files (Fig. 13; Col. 15, lines 31+),
- the playlist includes first navigation information providing presentation information regarding the still image in the first file, and second navigation information providing presentation information regarding audio data in the second file (Fig. 13 – VOBUs (#n) containing a first file and VOBUs (#n+1) containing a second file in the PACKS section; Col. 15, lines 31+, further clarifying that in



order for video to be reproduced, it must playback still images since it is known that video consists of a multitude of still images played back at certain speeds),

- one of a playitem field and a sub-playitem field provides the first navigation information (Fig. 13 – VOB<sub>U</sub> (#*n*) having a cell (Fig. 27) provides NV\_PCK#*n*; see also Fig. 12),
- the one of the playitem field and the sub-playitem field (Fig. 13 – VOB<sub>U</sub> (#*n*) having a cell (Fig. 27) provides NV\_PCK#*n*; see also Fig. 12) providing the first navigation information (Fig. 13 – VOB<sub>U</sub> (#*n*) having a cell (Fig. 27) provides NV\_PCK#*n*; see also Fig. 12) includes an indicator indicating that the one of the playitem field and the sub-playitem field provides information for still image presentation (Fig. 13 wherein each Navigation Pack has presentation control information; Col. 15, lines 1+),
- one of a playitem field and a sub-playitem field provides the second navigation information (Fig. 13 – VOB<sub>U</sub> (#*n*+1) provides NV\_PCK#*n*+1),
- the one of a playitem field and a sub-playitem field providing the first navigation information is different from the one of a playitem field and a sub-playitem field providing the second navigation information (Fig. 13 – VOB<sub>U</sub>(#*n*) as opposed to VOB<sub>U</sub> (#*n*+1) each containing respective navigation pack NV\_PCK, wherein VOB<sub>U</sub>(#*n*) is different VOB<sub>U</sub> (#*n*+1), each containing respective navigation pack NV\_PCK, which are different because VOB<sub>U</sub>(#*n*) consists of various elements and fields such as separate video packs that contain distinct still images and audio packs. Maruyama discloses in Fig. 13 that VOB<sub>U</sub>'s 85 are distinct from navigation packs 86, PCI 113, etc.).

**Regarding Claim 16**, Maruyama et al. teaches an apparatus for reproducing a data structure for managing reproduction of at least still images recorded on a recording medium, comprising:

- a driver for driving an optical reproducing device to reproduce data recorded on the recording medium (Fig. 19, 32);
- a controller for controlling the driver (Fig. 19, 36) to reproduce at least one playlist from the recording medium (in at least Col. 2, Lines 30-35 – playback of program chains – Fig. 34), the

playlist linking first and second files, the first file including at least one still image and the second file including audio data (in at least Figs. 3, 8, 25 wherein the control information stores a program chain (PGC) linking first and second files of Video Object Units (VOBUs) each having separate image and audio data— Fig. 27), wherein

- the playlist including navigation information providing presentation information regarding the first and second files (Fig. 13; Col. 15, lines 31+),
- the playlist includes first navigation information providing presentation information regarding the still image in the first file, and second navigation information providing presentation information regarding audio data in the second file (Fig. 13 – VOBUs (#n) containing a first file and VOBUs (#n+1) containing a second file in the PACKS section; Col. 15, lines 31+, further clarifying that in order for video to be reproduced, it must playback still images since it is known that video consists of a multitude of still images played back at certain speeds),
- one of a playitem field and a sub-playitem field provides the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12),
- the one of the playitem field and the sub-playitem field (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) providing the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) includes an indicator indicating that the one of the playitem field and the sub-playitem field provides information for still image presentation (Fig. 13 wherein each Navigation Pack has presentation control information; Col. 15, lines 1+),
- one of a playitem field and a sub-playitem field provides the second navigation information (Fig. 13 – VOBUs (#n+1) provides NV\_PCK#n+1),
- the one of a playitem field and a sub-playitem field providing the first navigation information is different from the one of a playitem field and a sub-playitem field providing the second navigation information (Fig. 13 – VOBUs (#n) as opposed to VOBUs (#n+1) each containing respective navigation pack NV\_PCK, wherein VOBUs (#n) is different VOBUs (#n+1), each containing respective navigation pack NV\_PCK, which are different because VOBUs (#n) consists of various

elements and fields such as separate video packs that contain distinct still images and audio packs. Maruyama discloses in Fig. 13 that VOBUs 85 are distinct from navigation packs 86, PCI 113, etc.).

**Regarding Claim 17**, Maruyama et al. teaches a method of recording a data structure for managing reproduction of at least still images recorded on a recording medium, comprising:

- recording a first file including at least one still image and a second file including audio data in the recording medium (Col. 26, lines 21+; Fig. 25 - recording of video and audio data in data area); and
- recording at least one playlist in the recording medium (in at least Col. 2, Line 30 – Col. 3 Lines 15 – recording of program chains – in at least Figs. 18, 34) linking the first and second files (in at least Figs. 3, 8, 25 wherein the control information stores a program chain (PGC) linking first and second files of Video Object Units (VOBUs) each having separate image and audio data– Fig. 27), wherein
- the playlist including navigation information providing presentation information regarding the first and second files (Fig. 13; Col. 15, lines 31+),
- the playlist includes first navigation information providing presentation information regarding the still image in the first file, and second navigation information providing presentation information regarding audio data in the second file (Fig. 13 – VOBUs (#n) containing a first file and VOBUs (#n+1) containing a second file in the PACKS section; Col. 15, lines 31+, further clarifying that in order for video to be reproduced, it must playback still images since it is known that video consists of a multitude of still images played back at certain speeds),
- one of a playitem field and a sub-playitem field provides the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12),
- the one of the playitem field and the sub-playitem field (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) providing the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) includes an indicator

indicating that the one of the playitem field and the sub-playitem field provides information for still image presentation (Fig. 13 wherein each Navigation Pack has presentation control information; Col. 15, lines 1+),

- one of a playitem field and a sub-playitem field provides the second navigation information (Fig. 13 – VOB<sub>U</sub> (#n+1) provides NV\_PCK<sub>#n+1</sub>),
- the one of a playitem field and a sub-playitem field providing the first navigation information is different from the one of a playitem field and a sub-playitem field providing the second navigation information (Fig. 13 – VOB<sub>U</sub>(#n) as opposed to VOB<sub>U</sub> (#n+1) each containing respective navigation pack NV\_PCK, wherein VOB<sub>U</sub>(#n) is different VOB<sub>U</sub> (#n+1), each containing respective navigation pack NV\_PCK, which are different because VOB<sub>U</sub>(#n) consists of various elements and fields such as separate video packs that contain distinct still images and audio packs. Maruyama discloses in Fig. 13 that VOB<sub>U</sub>'s 85 are distinct from navigation packs 86, PCI 113, etc.).

**Regarding Claim 18**, Maruyama et al. teaches an apparatus for recording a data structure for managing reproduction of at least multiple reproduction path video data on a recording medium, comprising:

- a driver for driving an optical recording device to record data on the recording medium (Fig. 19, 32 – disc drive);
- an encoder for encoding at least multiple reproduction path video data (Fig. 19, 50 – encoder);
- and a controller (Fig. 19, 36 – data processor) for controlling the driver to record a first file including at least one still image and a second file including audio data in the recording medium (Col. 26, lines 21+; Fig. 25 - recording of video and audio data in data area), and for controlling the driver to record at least one playlist in the recording medium (in at least Col. 2, Line 30 – Col. 3 Lines 15 – recording of program chains – in at least Figs. 18, 34), the playlist linking the first and second files (in at least Figs. 3, 8, 25 wherein the control information stores a program chain

(PGC) linking first and second files of Video Object Units (VOBUs) each having separate image and audio data— Fig. 27), wherein

- the playlist including navigation information providing presentation information regarding the first and second files (Fig. 13; Col. 15, lines 31+),
- the playlist includes first navigation information providing presentation information regarding the still image in the first file, and second navigation information providing presentation information regarding audio data in the second file (Fig. 13 – VOBUs (#n) containing a first file and VOBUs (#n+1) containing a second file in the PACKS section; Col. 15, lines 31+, further clarifying that in order for video to be reproduced, it must playback still images since it is known that video consists of a multitude of still images played back at certain speeds),
- one of a playitem field and a sub-playitem field provides the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12),
- the one of the playitem field and the sub-playitem field (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) providing the first navigation information (Fig. 13 – VOBUs (#n) having a cell (Fig. 27) provides NV\_PCK#n; see also Fig. 12) includes an indicator indicating that the one of the playitem field and the sub-playitem field provides information for still image presentation (Fig. 13 wherein each Navigation Pack has presentation control information; Col. 15, lines 1+),
- one of a playitem field and a sub-playitem field provides the second navigation information (Fig. 13 – VOBUs (#n+1) provides NV\_PCK#n+1),
- the one of a playitem field and a sub-playitem field providing the first navigation information is different from the one of a playitem field and a sub-playitem field providing the second navigation information (Fig. 13 – VOBUs (#n) as opposed to VOBUs (#n+1) each containing respective navigation pack NV\_PCK, wherein VOBUs (#n) is different VOBUs (#n+1), each containing respective navigation pack NV\_PCK, which are different because VOBUs (#n) consists of various elements and fields such as separate video packs that contain distinct still images and audio

packs. Maruyama discloses in Fig. 13 that VOBUs 85 are distinct from navigation packs 86, PCI 113, etc.).

### ***Conclusion***

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael P. Choi whose telephone number is (571) 272-9594. The examiner can normally be reached on Monday - Friday 8:00AM - 5:30PM (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on (571) 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number:  
10/653,235  
Art Unit: 2621

Page 14

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MC

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